

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P788015

Luminaire Tested: LER6D05D010-EC6DR600210IC9040-6LBDP1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788015  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D05D010-EC6DR600210IC9040-6LBDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 988.2 lumens  
Efficiency: N/A  
Efficacy: 131.8 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.84  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

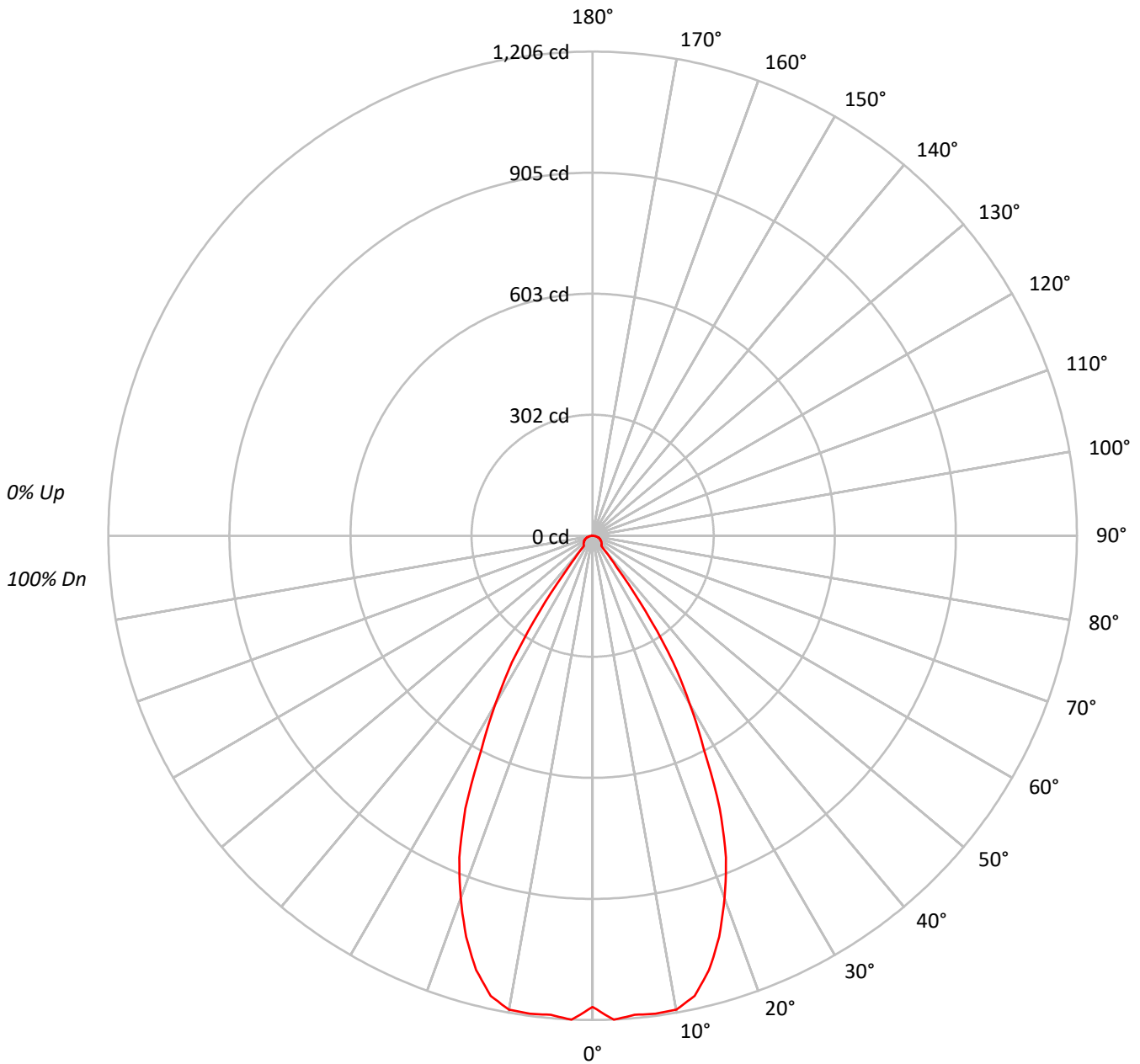
Input Watts (W): 7.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P788015  
CATALOG NUMBER: LER6D05D010-EC6DR600210IC9040-6LBDP1B

### Luminous Intensity Polar Plot





TEST NUMBER: P788015

CATALOG NUMBER: LER6D05D010-EC6DR600210IC9040-6LBDP1B

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	128217
5°	131372
10°	132958
15°	126666
20°	111680
25°	90333
30°	61101
35°	30611
40°	4964
45°	4867
50°	4963
55°	5029
60°	5179
65°	5300
70°	5431
75°	5488
80°	5285
85°	4388

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 5488 cd/sqm



TEST NUMBER: P788015

CATALOG NUMBER: LER6D05D010-EC6DR600210IC9040-6LBDP1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.5	11.6
10°-20°	309.7	31.3
20°-30°	333.3	33.7
30°-40°	144.9	14.7
40°-50°	24.3	2.5
50°-60°	23.6	2.4
60°-70°	20.2	2.0
70°-80°	13.6	1.4
80°-90°	4.1	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	757.5	76.7
0°-40°	902.3	91.3
0°-60°	950.3	96.2
0°-90°	988.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	988.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1174	
5°	1198	114
15°	1120	310
25°	749	333
35°	230	145
45°	32	24
55°	26	24
65°	20	20
75°	13	14
85°	4	4
90°	0	



TEST NUMBER: P788015

CATALOG NUMBER: LER6D05D010-EC6DR600210IC9040-6LBDP1B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1173.5
2.5°	1206.5
5°	1197.8
7.5°	1200.5
10°	1198.4
12.5°	1173.7
15°	1119.8
17.5°	1047.4
20°	960.5
22.5°	867.5
25°	749.3
27.5°	599.3
30°	484.3
32.5°	373.3
35°	229.5
37.5°	98.2
40°	34.8
42.5°	32.1
45°	31.5
47.5°	30.4
50°	29.2
52.5°	27.8
55°	26.4
57.5°	25.0
60°	23.7
62.5°	22.1
65°	20.5
67.5°	18.8
70°	17.0
72.5°	15.0
75°	13.0
77.5°	10.7
80°	8.4
82.5°	6.0
85°	3.5
87.5°	1.2
90°	0.0

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)